



NuSil® Silicones Unlock Innovation for Complex Drug Eluting Devices

In this environment, materials play a far more strategic role than they once did. Silicone is no longer simply a passive component within a device. It directly influences drug release rates, device integrity, manufacturability, biocompatibility, patient comfort and long-term reliability. As therapies become more advanced and patient-specific, device manufacturers are increasingly looking beyond material attributes alone and toward innovation partners who can help to precisely tailor elution properties to optimize device performance.

This type of expert controlled engineering is an important tool that NuSil leverages to speed clinical validation and regulatory approvals, improving manufacturing scalability for customers.

NuSil operates at the center of this evolution, helping customers develop advanced drug-delivery systems that deliver precision, consistency and long-term reliability. Our long-standing commitment to supplying silicone gives customers confidence that when they choose NuSil, they can count on us to deliver at any stage of their lifecycle.



Drug Delivery Category	Why It Matters	NuSil Approach
Controlled therapeutic delivery	Enables precise dosing and repeatable release performance over time	Silicone systems engineered for precise and sustained release profiles
Drug compatibility	Maintains stability and avoids adverse interactions with sensitive compounds	Formulation expertise and compatibility guidance tailored to specific APIs
Long-term implant performance	Supports implant longevity and reliable therapeutic outcomes	Implant-grade silicones engineered for durability, stability and biocompatibility
Combination product readiness	Reduces complexity across validation and regulatory submission pathways	FDA Drug Master Files (DMF), Letters of Authorization and deep regulatory support
Manufacturing consistency	Minimizes variability during scale-up and commercial production	Controlled manufacturing processes and lot-to-lot consistency



As the future of healthcare moves toward smarter, more personalized and more integrated therapies, the importance of material expertise will only continue to grow. NuSil is positioned to help customers navigate that complexity and help bring the next generation of drug-delivery technologies to market with greater confidence.

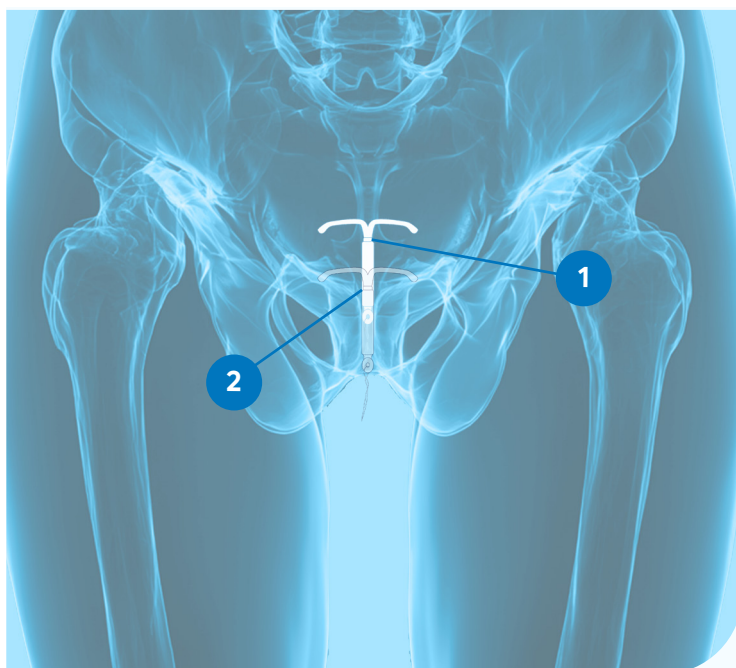
Visit [NuSil.com](https://www.nusil.com) to learn more and connect with a silicone expert

See reverse for more information



Building Confidence into Next Generation Drug Eluting Devices

Drug-eluting devices require materials that maintain consistent performance over extended implantation periods. NuSil's high-purity silicones are engineered and manufactured for long-term implantable applications where stability, purity and reliability are critical to device success and patient outcomes.



WHAT IT IS: INTRA-VAGINAL RINGS / INTRA-UTERINE DEVICES / PESSARIES FOR WOMEN'S HEALTH APPLICATIONS

NuSil engineered for performance: NuSil's silicone technologies can be tailored for controlled drug delivery, long-term implant stability and improved patient comfort. Deep experience supporting implantable and combination-device applications helps reduce variability and improve manufacturability. Regulatory support, master file coverage and custom formulation capabilities help simplify validation and accelerate development timelines.

1. RTV gels for drug reservoirs
2. Elastomers for rate-controlling outer membranes

WHAT IT IS: API-ELUTING COATINGS ON NEUROSTIM & CARDIAC LEADS

NuSil engineered for performance: NuSil's silicone technologies can be engineered to support controlled release profiles while maintaining the flexibility, durability, adhesion and biocompatibility required for long-term use. Our decades of experience in implantable silicones, drug-device combination products and global regulatory support enables manufacturers to balance drug delivery objectives with device performance, manufacturability and clinical outcomes to accelerate time to market.

- 1 & 2. Coated device leads

